FIG. 1

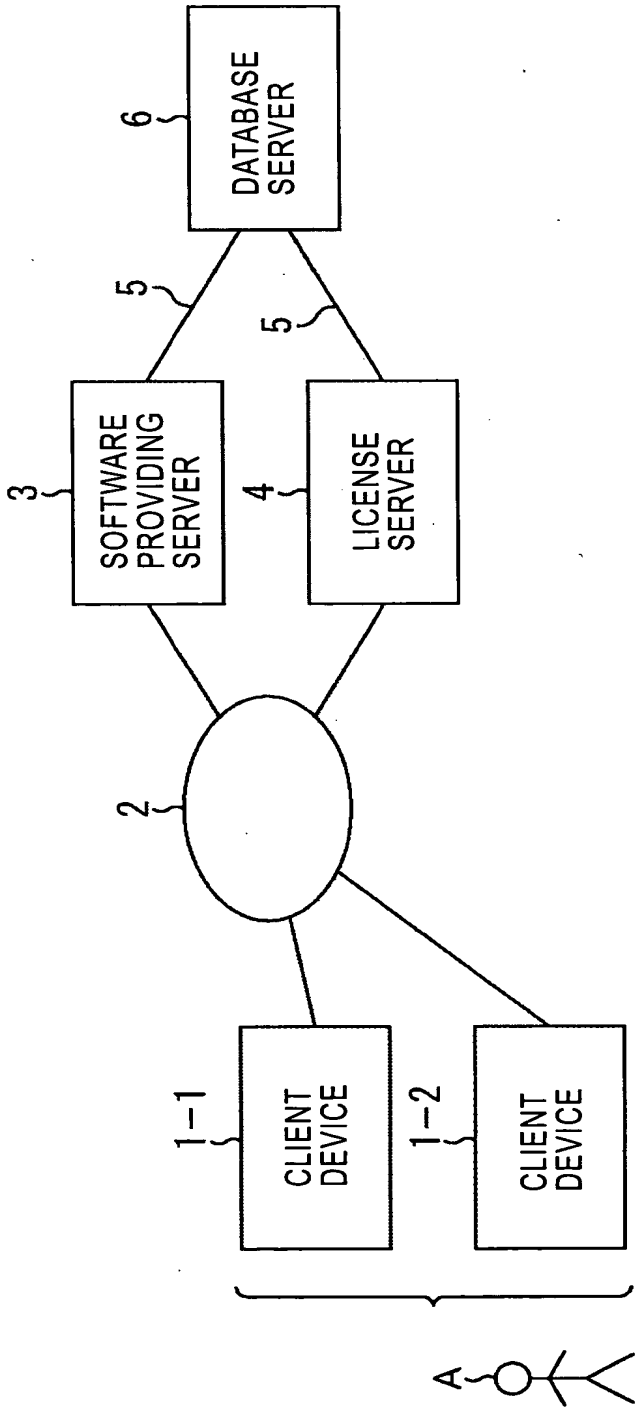

6
DATABASE SERVER
5
5
3
SOFTWARE PROVIDING SERVER
4
LICENSE SERVER
2
1-1
CLIENT DEVICE
1-2
CLIENT DEVICE
A

FIG. 2

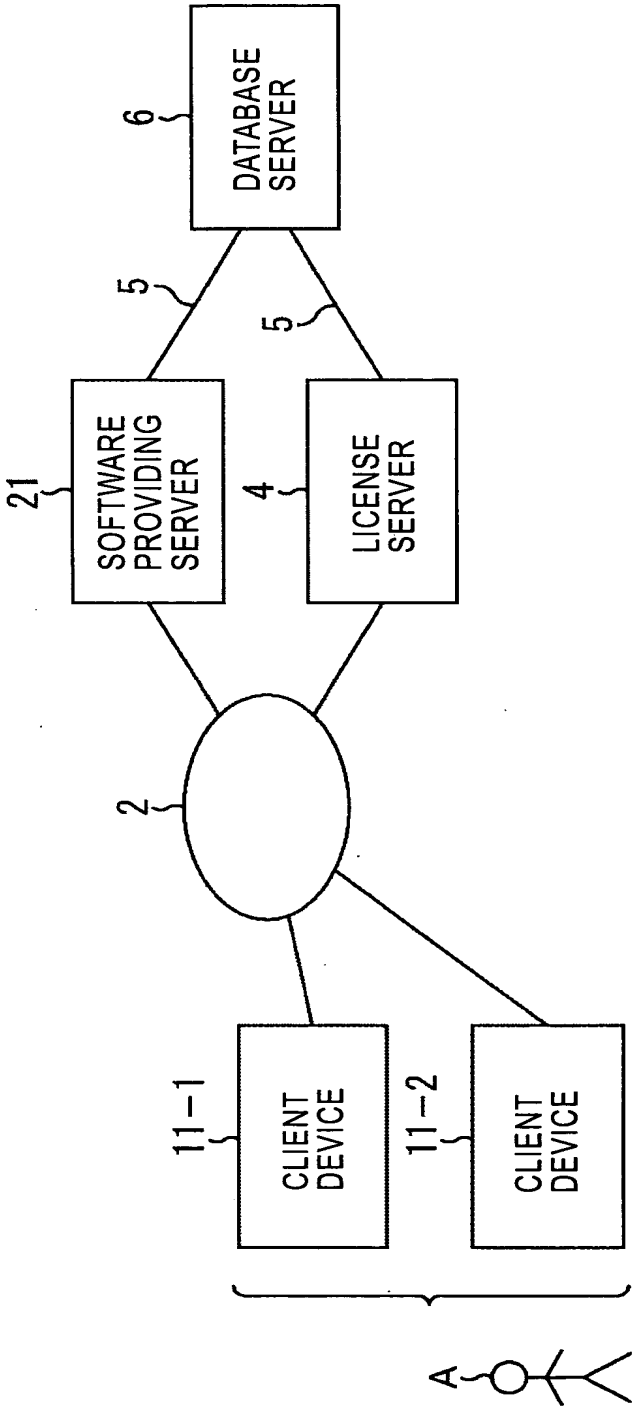

DATABASE SERVER
6
5
5
SOFTWARE PROVIDING SERVER
21
LICENSE SERVER
4
2
11-1
CLIENT DEVICE
11-2
CLIENT DEVICE
A

FIG. 3

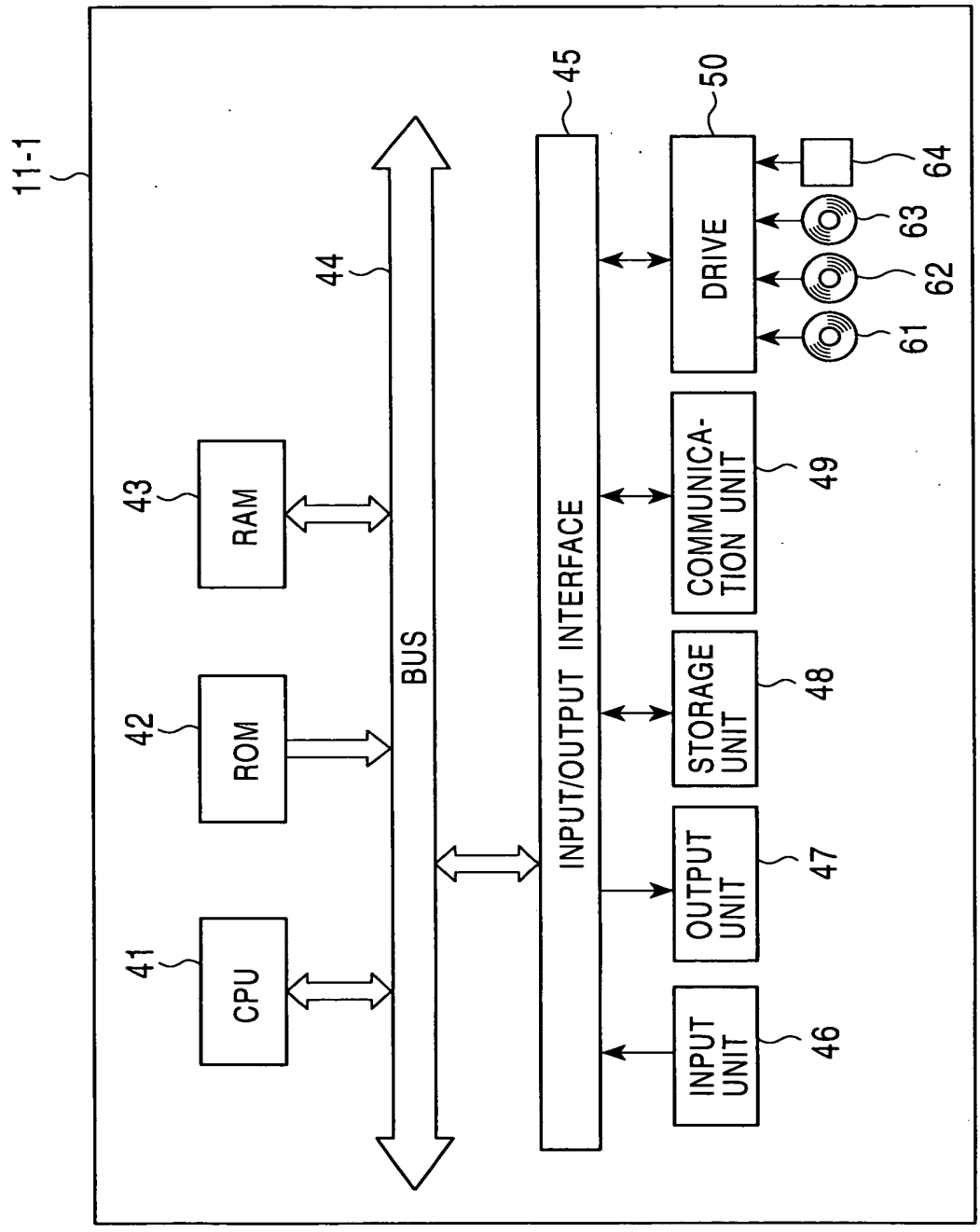

11-1
CPU
41
ROM
42
RAM
43
44
BUS
45
INPUT/OUTPUT INTERFACE
INPUT UNIT
46
OUTPUT UNIT
47
STORAGE UNIT
48
COMMUNICATION UNIT
49
DRIVE
50
61
62
63
64

FIG. 4

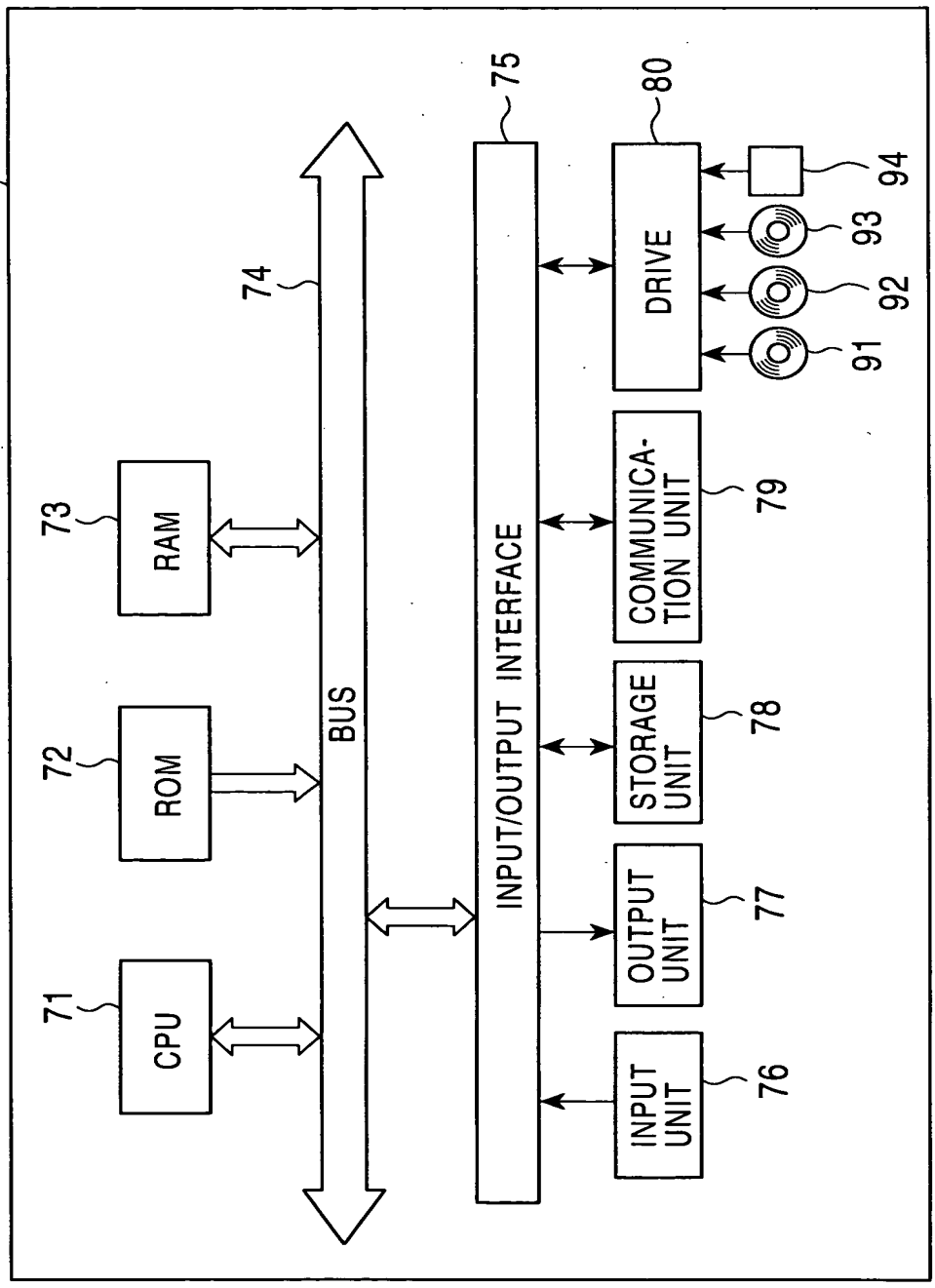

11-2
CPU
71
ROM
72
RAM
73
BUS
74
INPUT/OUTPUT INTERFACE
75
INPUT UNIT
76
OUTPUT UNIT
77
STORAGE UNIT
78
COMMUNICATION UNIT
79
DRIVE
80
91
92
93
94

FIG. 5

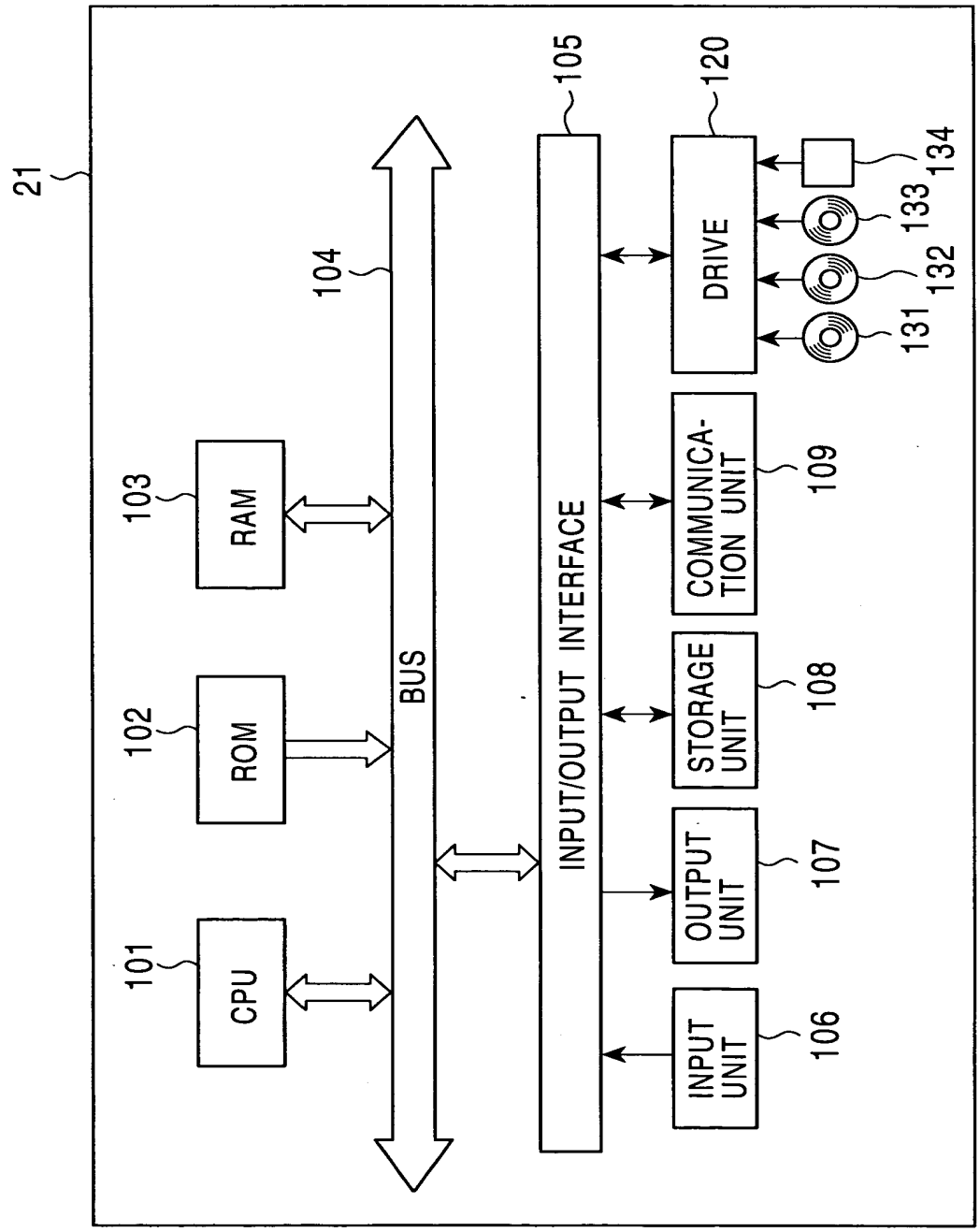

21
CPU
101
ROM
102
RAM
103
BUS
104
INPUT/OUTPUT INTERFACE
105
INPUT UNIT
106
OUTPUT UNIT
107
STORAGE UNIT
108
COMMUNICATION UNIT
109
DRIVE
120
131
132
133
134

FIG. 6

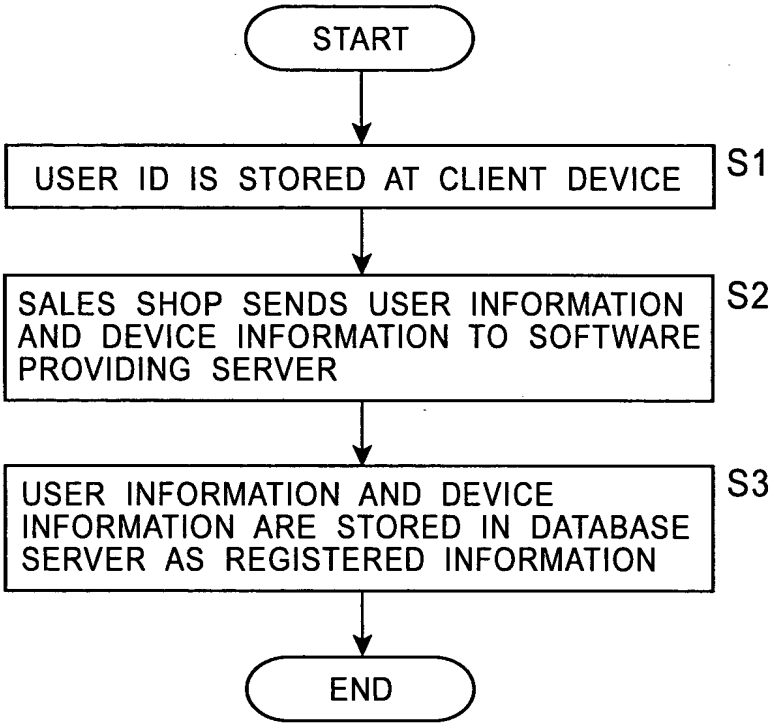

START
USER ID IS STORED AT CLIENT DEVICE
S1
SALES SHOP SENDS USER INFORMATION AND DEVICE INFORMATION TO SOFTWARE PROVIDING SERVER
S2
USER INFORMATION AND DEVICE INFORMATION ARE STORED IN DATABASE SERVER AS REGISTERED INFORMATION
S3
END

FIG. 7

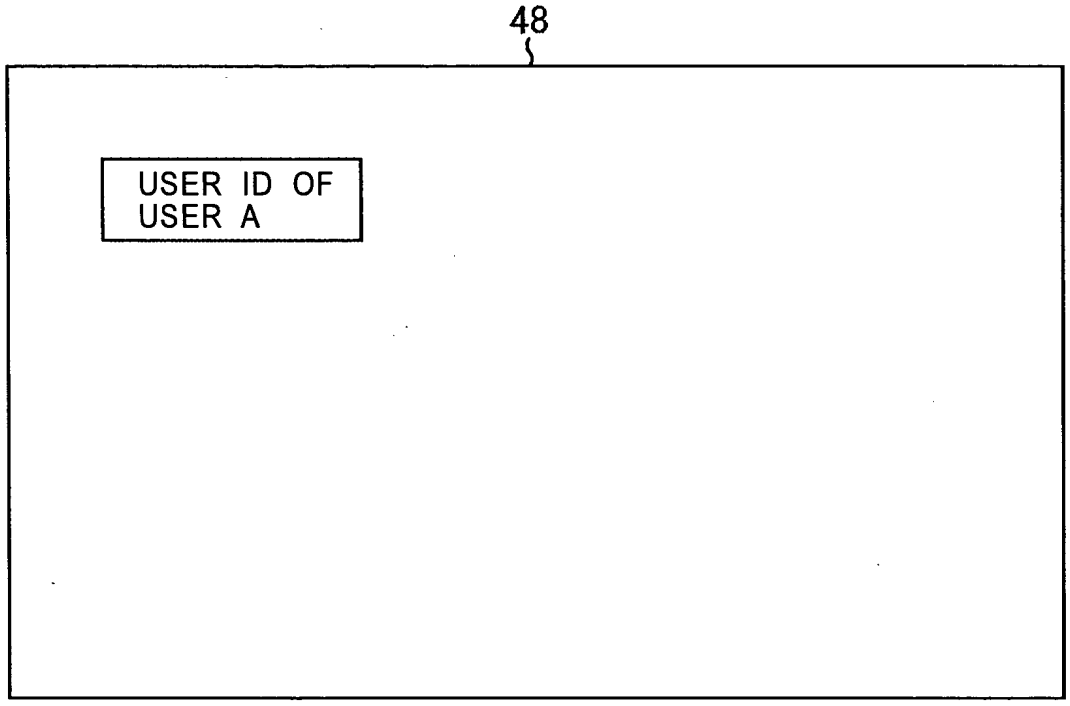


FIG. 8

USER ID	DEVICE ID	SOFTWARE ID
USER ID OF USER A	DEVICE ID OF CLIENT DEVICE 11-1	
USER ID OF USER A	DEVICE ID OF CLIENT DEVICE 11-2	
⋮	⋮	⋮

FIG. 9

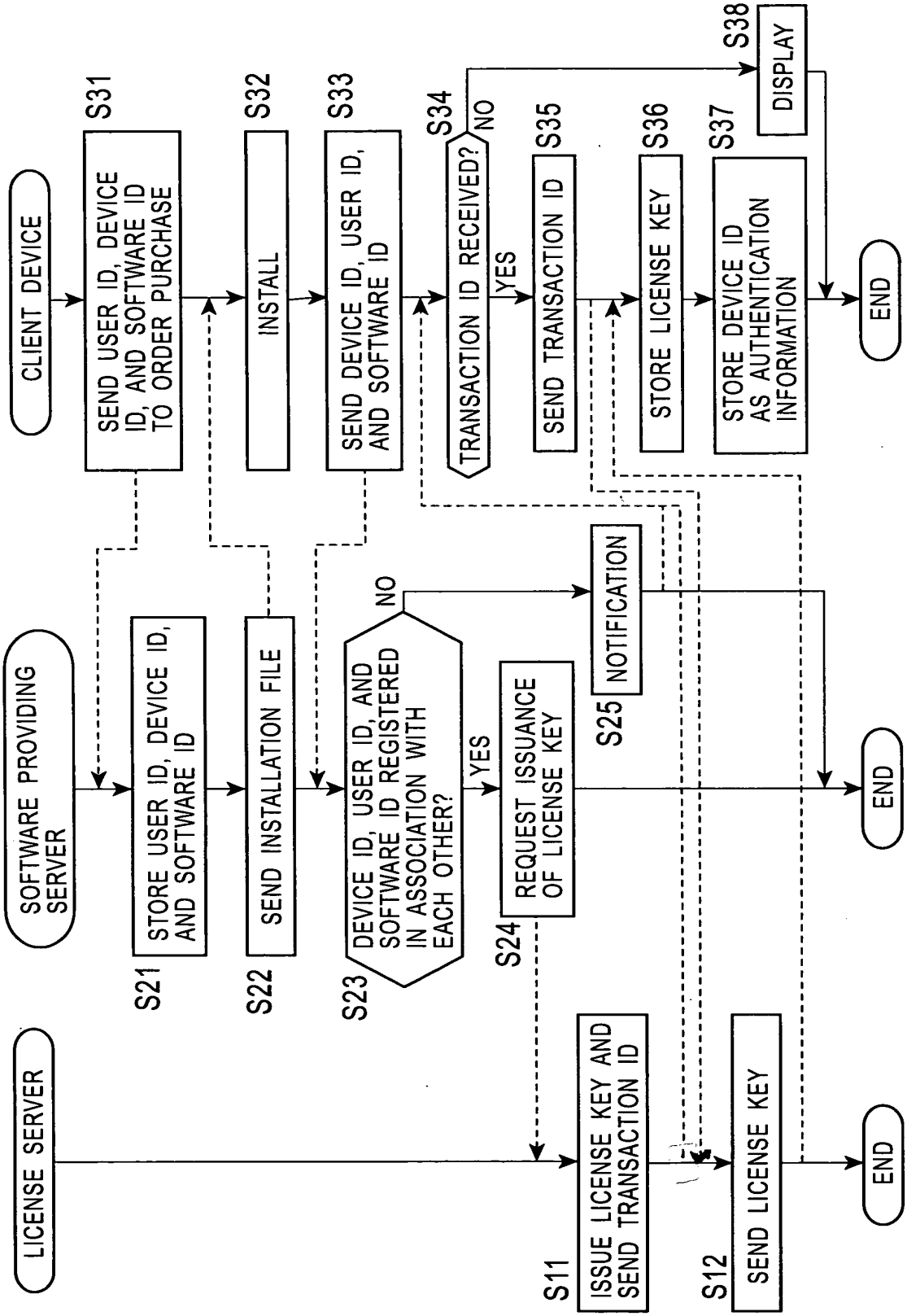

CLIENT DEVICE
SOFTWARE PROVIDING SERVER
LICENSE SERVER
S31
SEND USER ID, DEVICE ID, AND SOFTWARE ID TO ORDER PURCHASE
S32
INSTALL
S33
SEND DEVICE ID, USER ID, AND SOFTWARE ID
S34
TRANSACTION ID RECEIVED?
NO
YES
S35
SEND TRANSACTION ID
S36
STORE LICENSE KEY
S37
STORE DEVICE ID AS AUTHENTICATION INFORMATION
S38
DISPLAY
END
S21
STORE USER ID, DEVICE ID, AND SOFTWARE ID
S22
SEND INSTALLATION FILE
S23
DEVICE ID, USER ID, AND SOFTWARE ID REGISTERED IN ASSOCIATION WITH EACH OTHER?
NO
YES
S24
REQUEST ISSUANCE OF LICENSE KEY
S25
NOTIFICATION
END
S11
ISSUE LICENSE KEY AND SEND TRANSACTION ID
S12
SEND LICENSE KEY
END

FIG. 10

USER ID	DEVICE ID	SOFTWARE ID
USER ID OF USER A	DEVICE ID OF CLIENT DEVICE 11-1	SOFTWARE ID OF SOFTWARE SA1
USER ID OF USER A	DEVICE ID OF CLIENT DEVICE 11-2	
⋮	⋮	⋮

FIG. 11

SOFTWARE ID	TRANSACTION ID	LICENSE KEY
SOFTWARE ID OF SOFTWARE SA1	TRANSACTION ID OF SOFTWARE SA1	LICENSE KEY OF SOFTWARE SA1
	⋮	⋮

FIG. 12

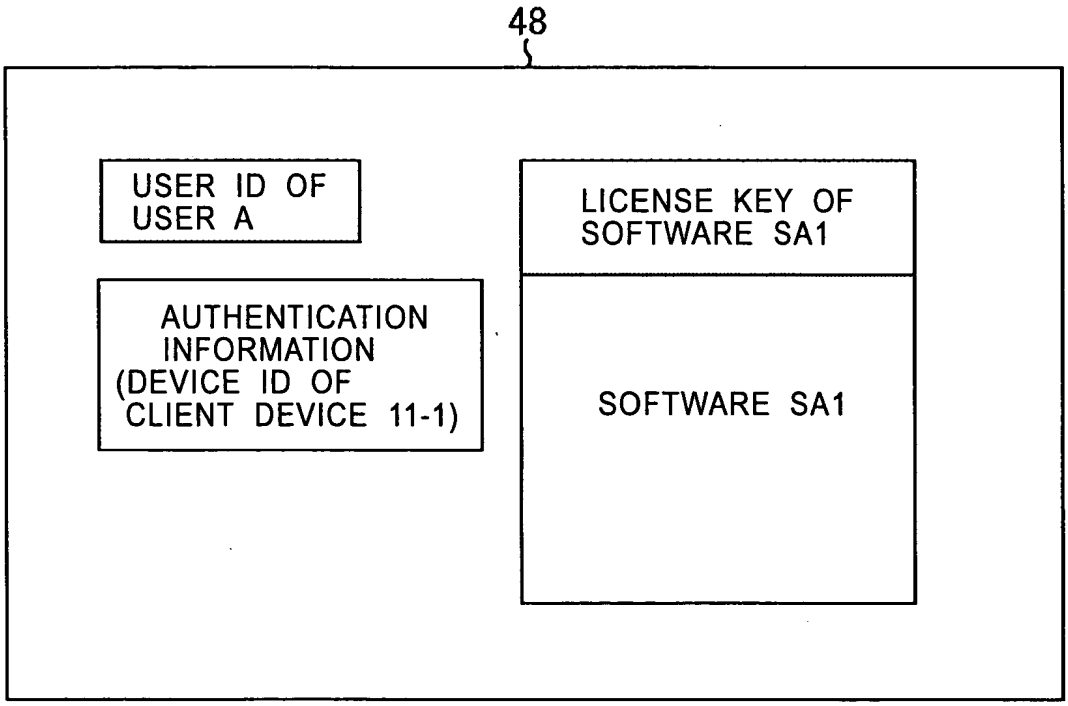

48
USER ID OF USER A
AUTHENTICATION INFORMATION (DEVICE ID OF CLIENT DEVICE 11-1)
LICENSE KEY OF SOFTWARE SA1
SOFTWARE SA1

FIG. 13

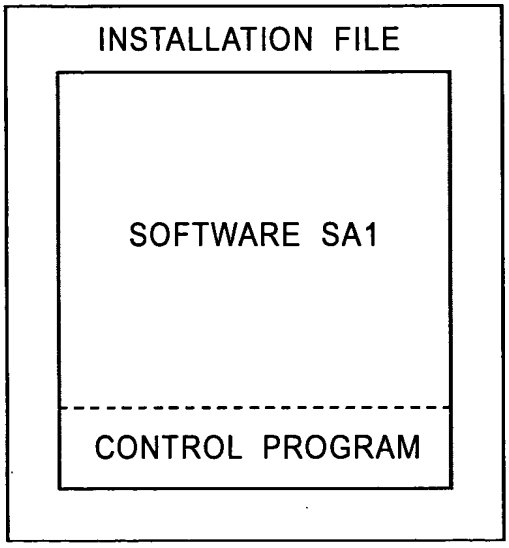


FIG. 14

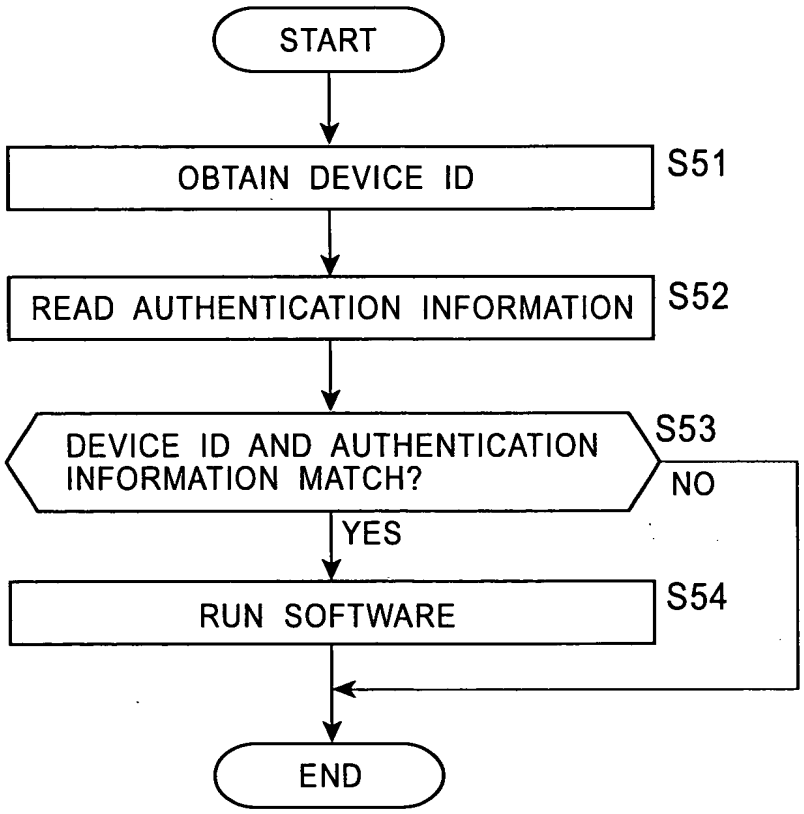

START
OBTAIN DEVICE ID
S51
READ AUTHENTICATION INFORMATION
S52
DEVICE ID AND AUTHENTICATION INFORMATION MATCH?
S53
NO
YES
RUN SOFTWARE
S54
END

FIG. 15

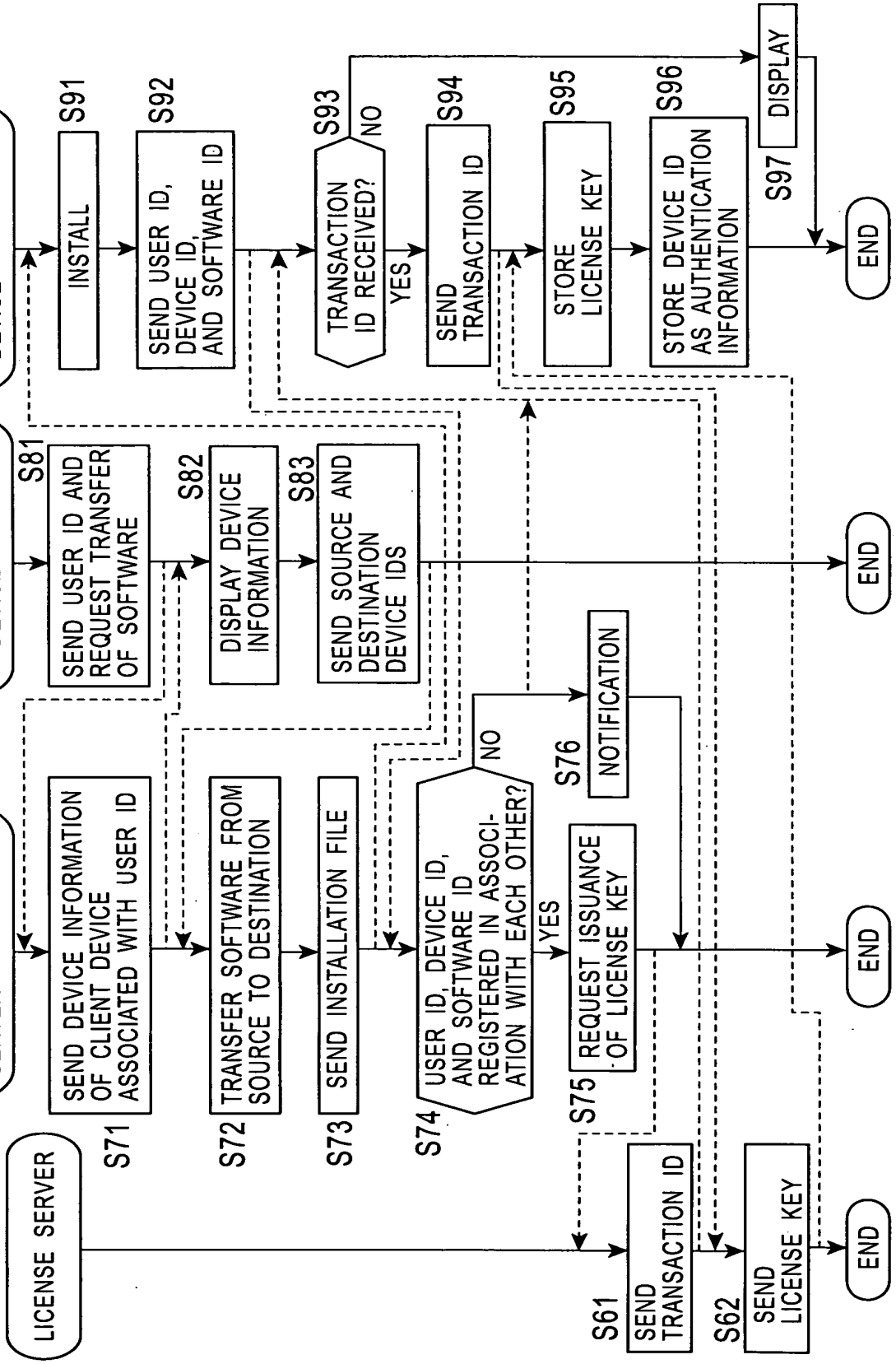
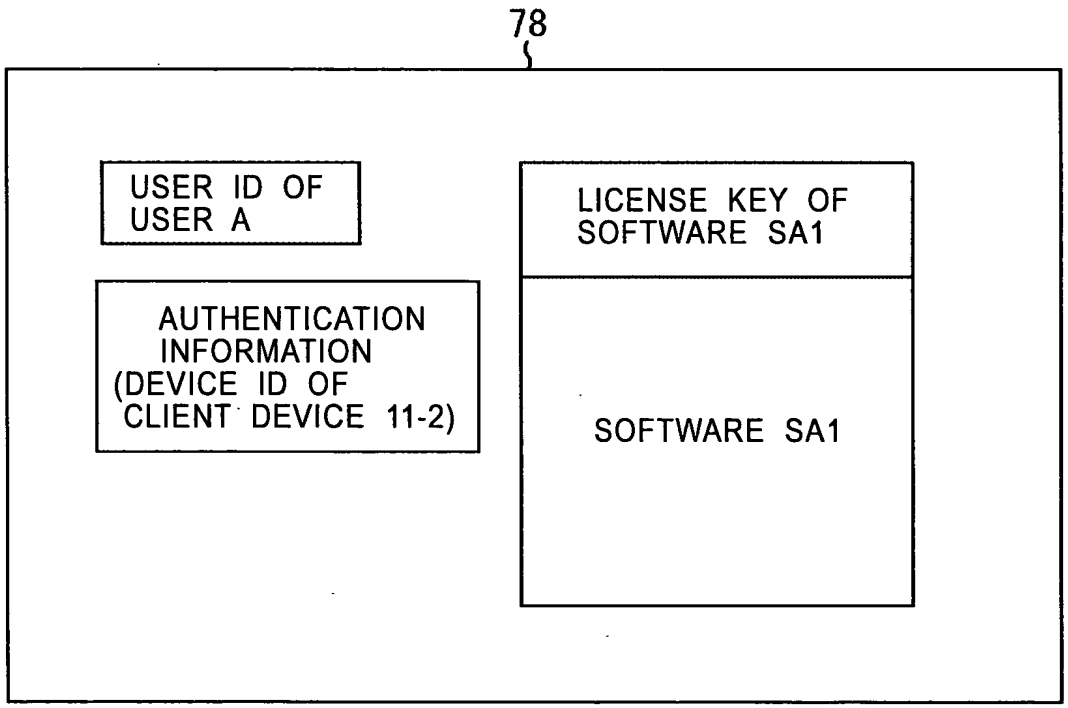

SOFTWARE PROVIDING SERVER
SOURCE CLIENT DEVICE
DESTINATION CLIENT DEVICE
LICENSE SERVER
SEND DEVICE INFORMATION OF CLIENT DEVICE ASSOCIATED WITH USER ID
S71
SEND USER ID AND REQUEST TRANSFER OF SOFTWARE
S81
TRANSFER SOFTWARE FROM SOURCE TO DESTINATION
S72
DISPLAY DEVICE INFORMATION
S82
SEND INSTALLATION FILE
S73
SEND SOURCE AND DESTINATION DEVICE IDS
S83
USER ID, DEVICE ID, AND SOFTWARE ID REGISTERED IN ASSOCIATION WITH EACH OTHER?
S74
NO
YES
NOTIFICATION
S76
REQUEST ISSUANCE OF LICENSE KEY
S75
INSTALL
S91
SEND USER ID, DEVICE ID, AND SOFTWARE ID
S92
TRANSACTION ID RECEIVED?
S93
NO
YES
SEND TRANSACTION ID
S94
STORE LICENSE KEY
S95
STORE DEVICE ID AS AUTHENTICATION INFORMATION
S96
DISPLAY
S97
SEND TRANSACTION ID
S61
SEND LICENSE KEY
S62
END
END
END
END
END

FIG. 16

USER ID	DEVICE ID	SOFTWARE ID
USER ID OF USER A	DEVICE ID OF CLIENT DEVICE 11-2	SOFTWARE ID OF SOFTWARE SA1
⋮	⋮	⋮

FIG. 17


78
USER ID OF USER A
AUTHENTICATION INFORMATION (DEVICE ID OF CLIENT DEVICE 11-2)
LICENSE KEY OF SOFTWARE SA1
SOFTWARE SA1